

Title (en)
METHOD FOR TRANSMISSION LINE ANALYSIS

Title (de)
VERFAHREN ZUR ÜBERTRAGUNGSLEITUNGSANALYSE

Title (fr)
PROCÉDÉ D'ANALYSE DE LIGNE DE TRANSMISSION

Publication
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Application
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Abstract (en)
[origin: WO2009131501A1] The present invention concerns methods for estimating one or more transmission properties of a telecommunications transmission line. Estimates of the line input impedance, Z_{in} at a frequency f , and the line capacitance C are made. An estimate is then made in dependence of C , the frequency f and a value G , where G satisfies the relationship $G \coth(\Gamma L) = Z_{in} j \omega C$, and $\Gamma = \alpha + j\beta$. Accuracy may be improved by least squares fitting a curve to a set of intermediate values and then generating an estimate from the coefficients of the curve.

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